



US Army Corps
of Engineers
Louisville District



Inland Waterways Users Board

Larry Bibelhauser P.E.

Project Manager

Olmsted Locks and Dam

21 November 2002



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Louisville District

Olmsted Locks & Dam Project

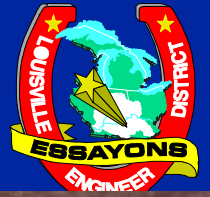
1996 rendering of completed project





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Locks Construction *December 2000*





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Approach Walls



Design by:	INCA Engineers Inc.
Award	26 August 1999
Contractor	Massman Construction Inc.
Contract Amount	\$99,033,000
Completion Date	April 21, 2003
FY-02 Earnings Paid	\$39,748,000
Estimated FY-03 Earnings	\$18,898,000



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Approach Walls





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Approach Wall Construction

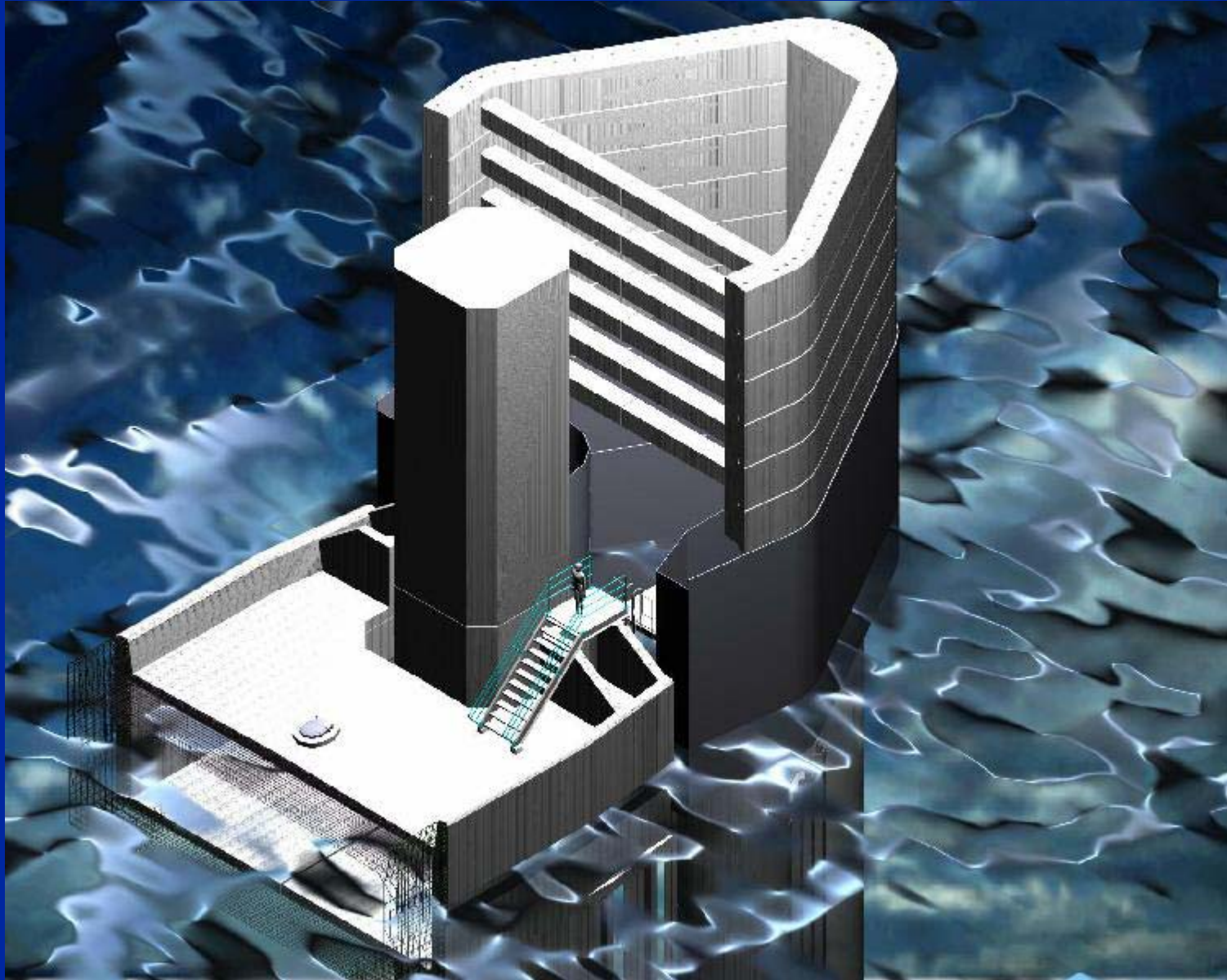
September 5, 2002





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Approach Wall Graving Yard





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Approach Walls





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Boat Ramp Relocation

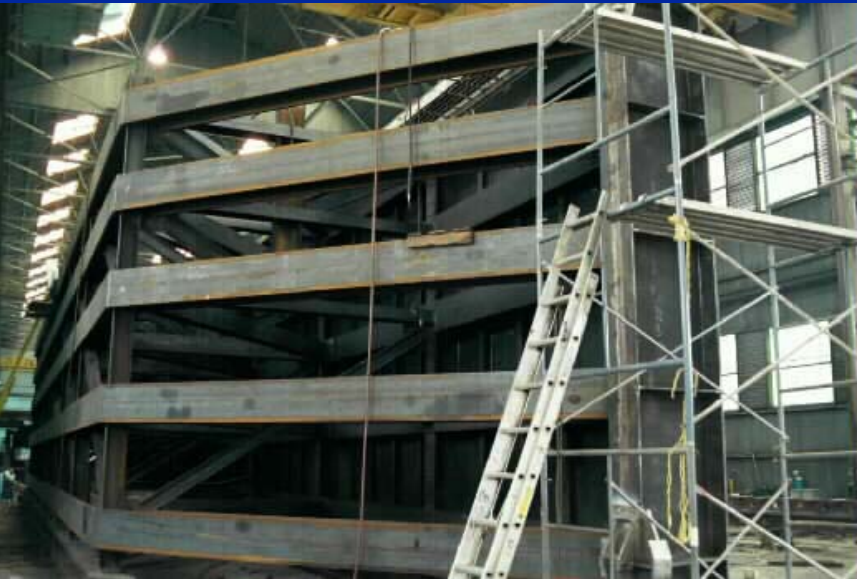


Design by:	CELRL (In-house)
Awarded	4 June 2001
Contract No.	DACW27-01-C-0020
Contractor	MYS Development Corp. (Hub zone)
Contract Amount	\$1,374,752
Completion Date	October 2002
Percent Complete	96%
FY-02 Earnings Paid	\$ 930,000
Estimated FY-03 Earnings	\$ 278,242



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O&M Bulkheads



Design by	Sverdrup/Gerwick JV
Awarded	September 27, 2001
Contract No.	DACW27-01-C-0030
Contractor	Massman Construction Inc.
Contract Amount	\$24,156,000
Contract Completion	July 25, 2004
Percent Complete	29%
FY-02 Earnings Paid	\$ 6,900,000
Estimated FY-03 Earnings	\$11,400,000



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Spare Miter Gate Storage



Design by:	Shiner Mosley & Associates Inc.
	(Note: this is a Design-Build contract.)
Awarded	8 March 2002
Contract No.	DACW27-02-C-0005
Contractor	AquaTerra Contracting, Inc. (Hub zone)
Contract Amount:	\$8,696,883
Completion Date	8 July 2004
Percent Complete	6%
FY-02 Earnings Paid	\$ 500,000
Estimated FY-03 Earnings	\$4,685,000



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Down Stream Mooring Cells



Design by:	CELRL (In-house)
Awarded	4 June 2002
Contract No.	DACW27-02-C-0013
Contractor	AquaTerra Contracting, Inc.
Contract Amount:	\$2,177,670.00
Completion Date	14 June 2003
Percent Complete	18%
FY-02 Earnings Paid	\$ 400,000
Estimated FY-03 Earnings	\$1,578,000



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Dam

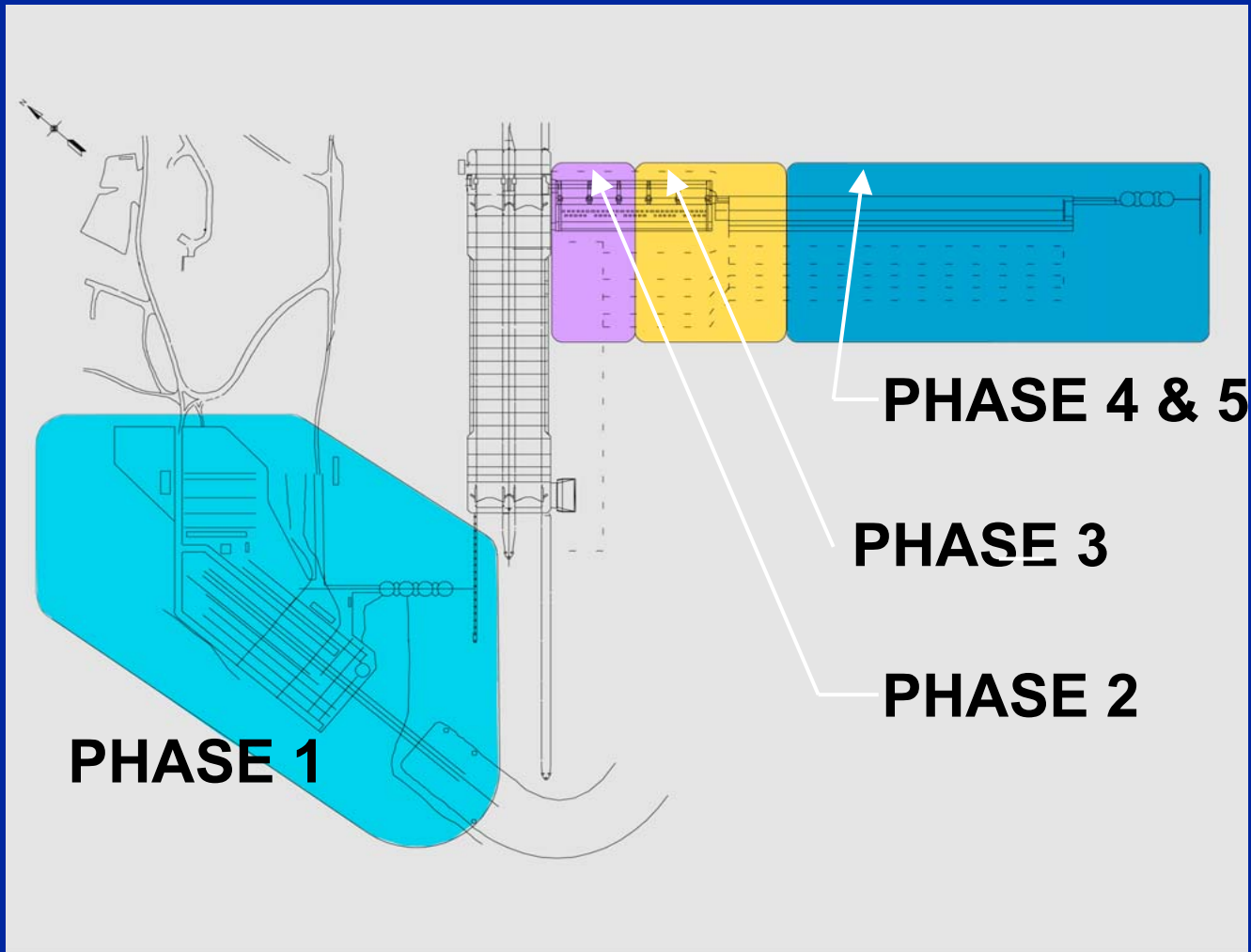


June 1995 -	T/G & Boat Operated Wicket Dam
Design by:	Sverdrup/Gerwick JV
P&S	100% Complete July 2002
Advertise/Issue	September 30, 2002
Proposal Due	January 28, 2003
Estimated Cost:	\$350,000,000
Completion	6 +/- years



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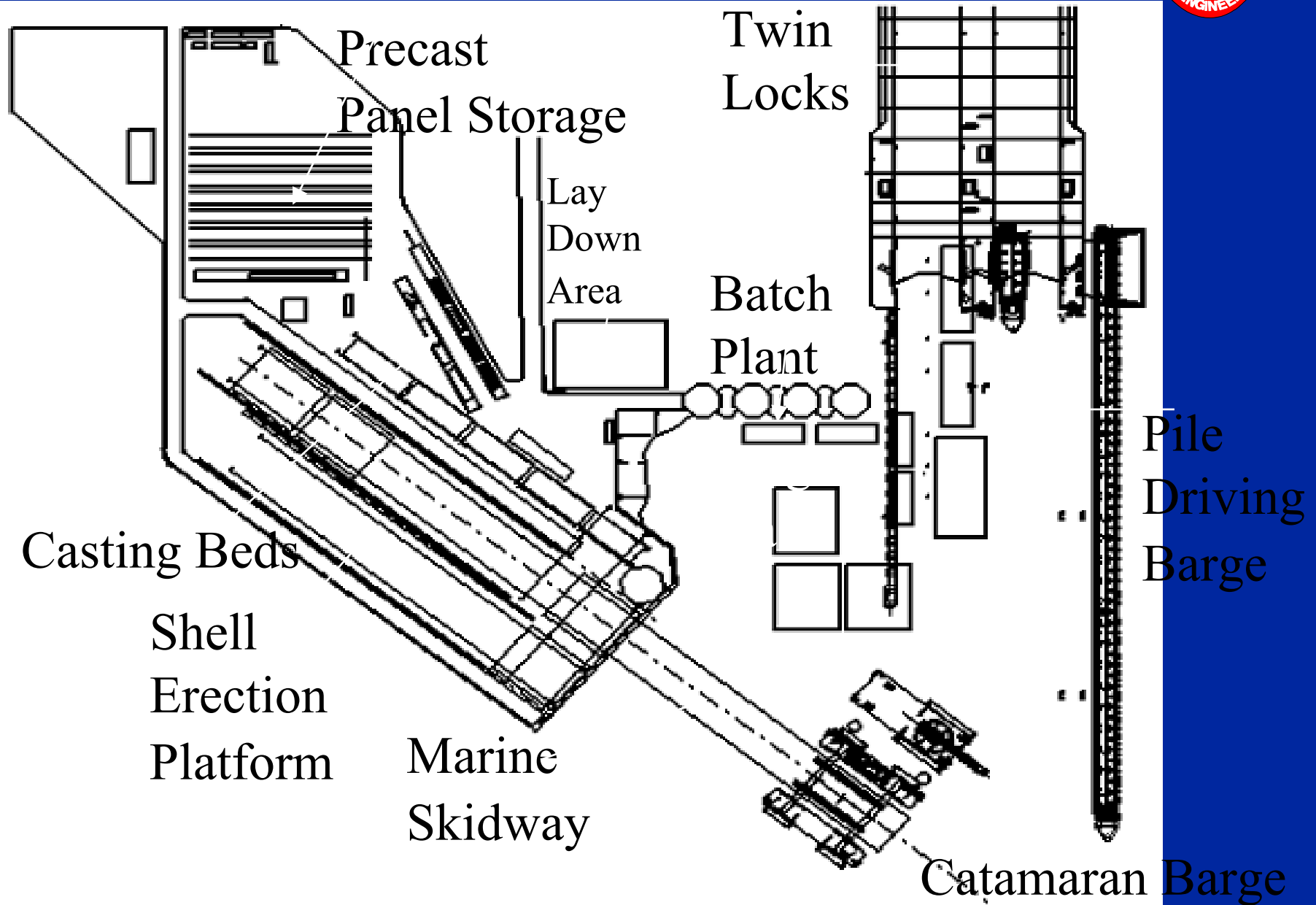
Global Erection Plan Phases





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Precast Yard

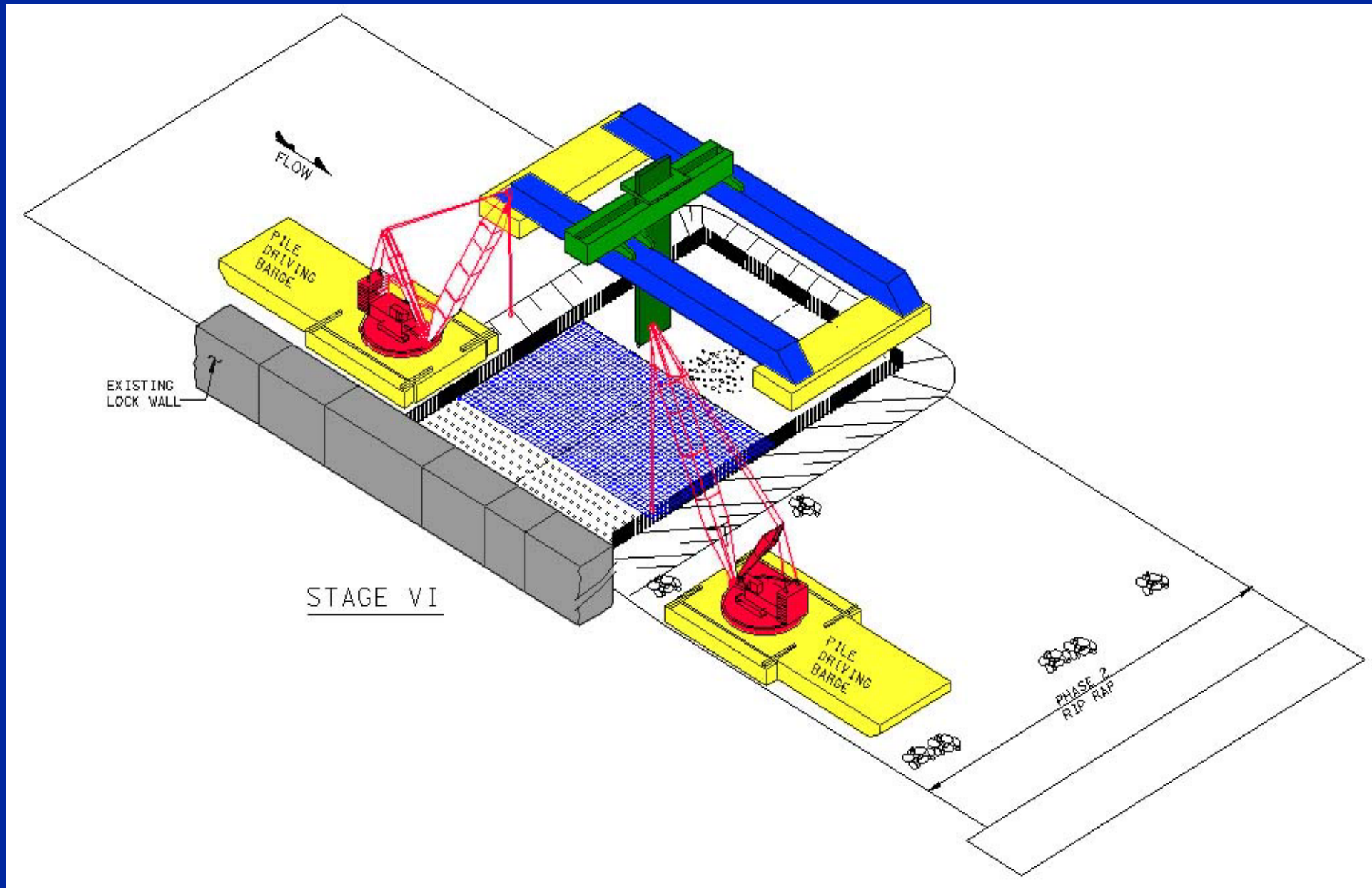




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Early Phasing of Work

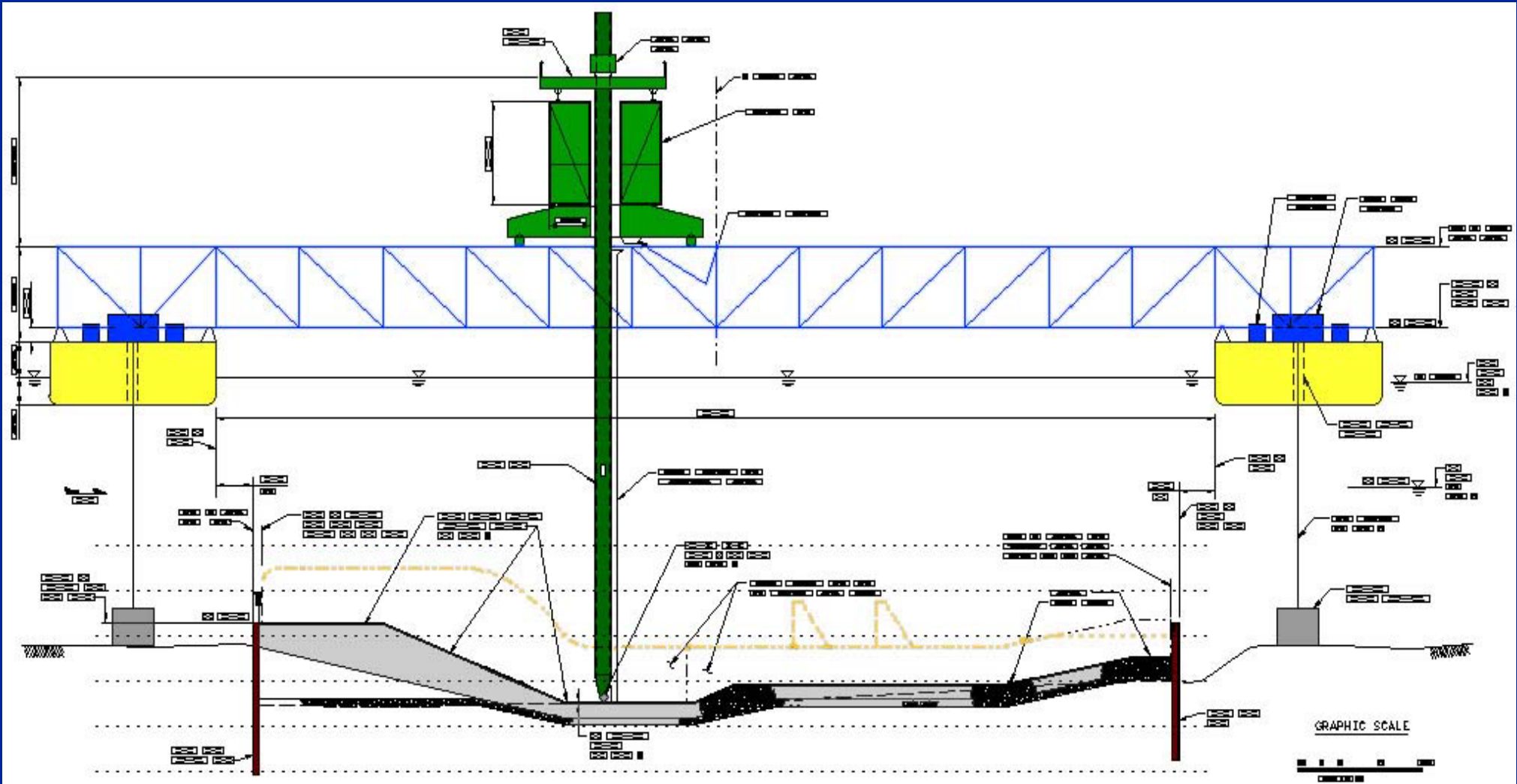
Excavation, Stone & Piling





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Screed Barge Leveling Course

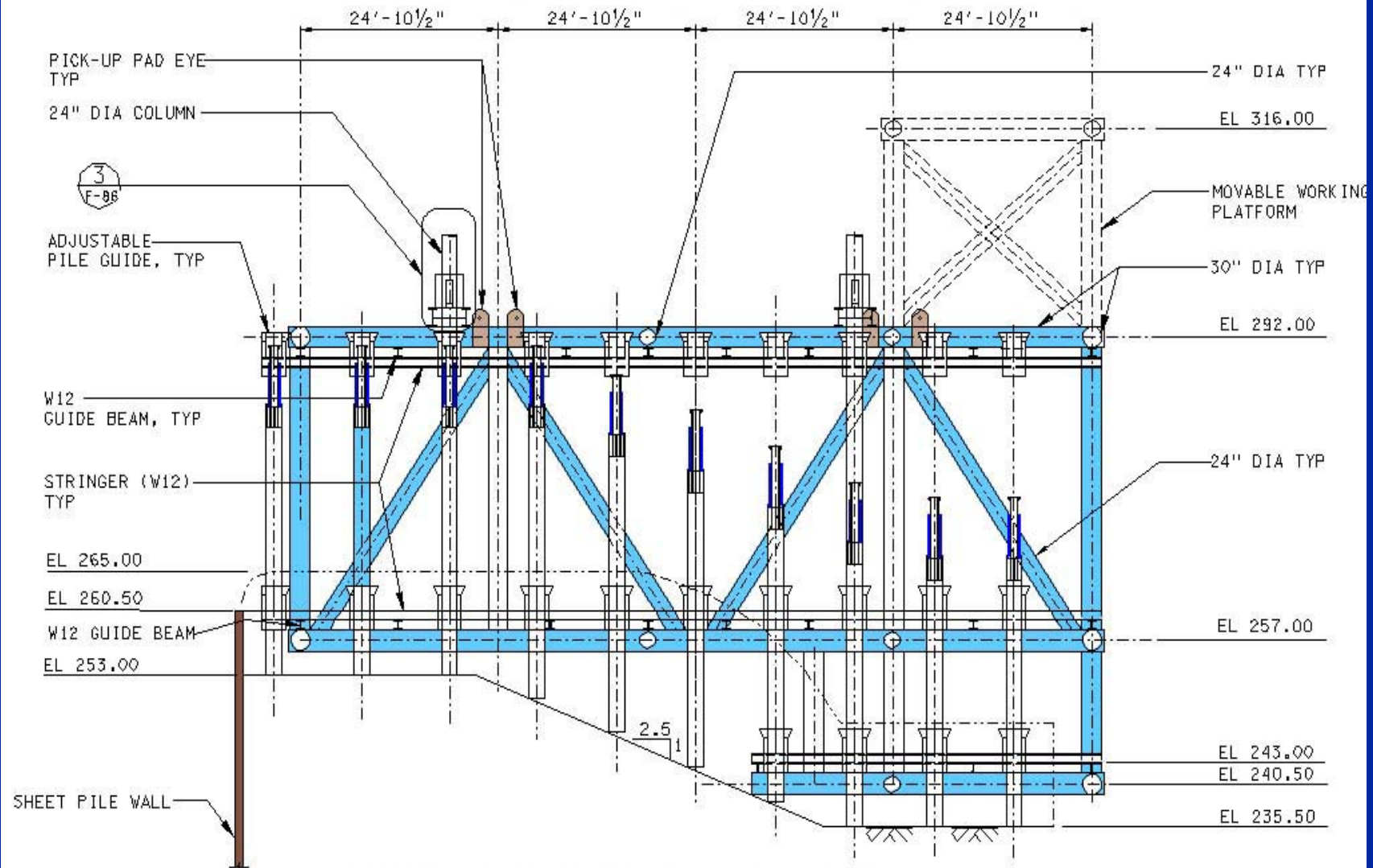




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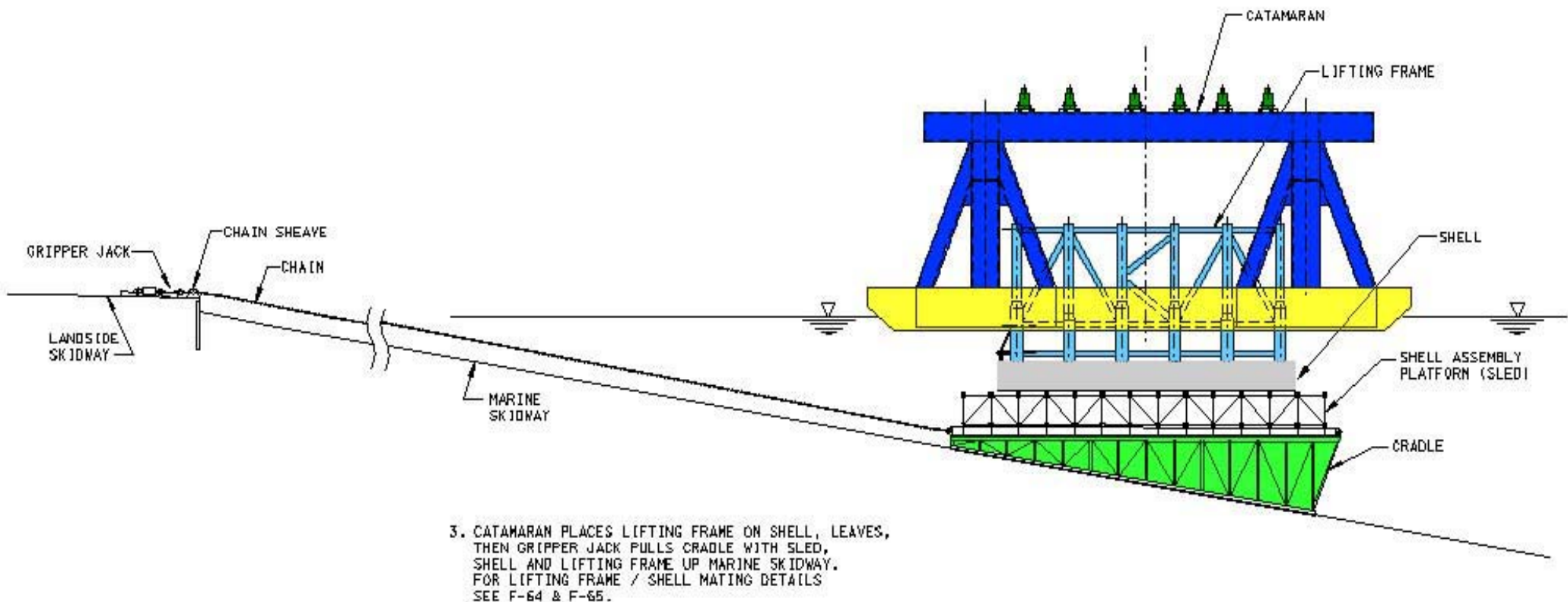
Foundation Pile Template





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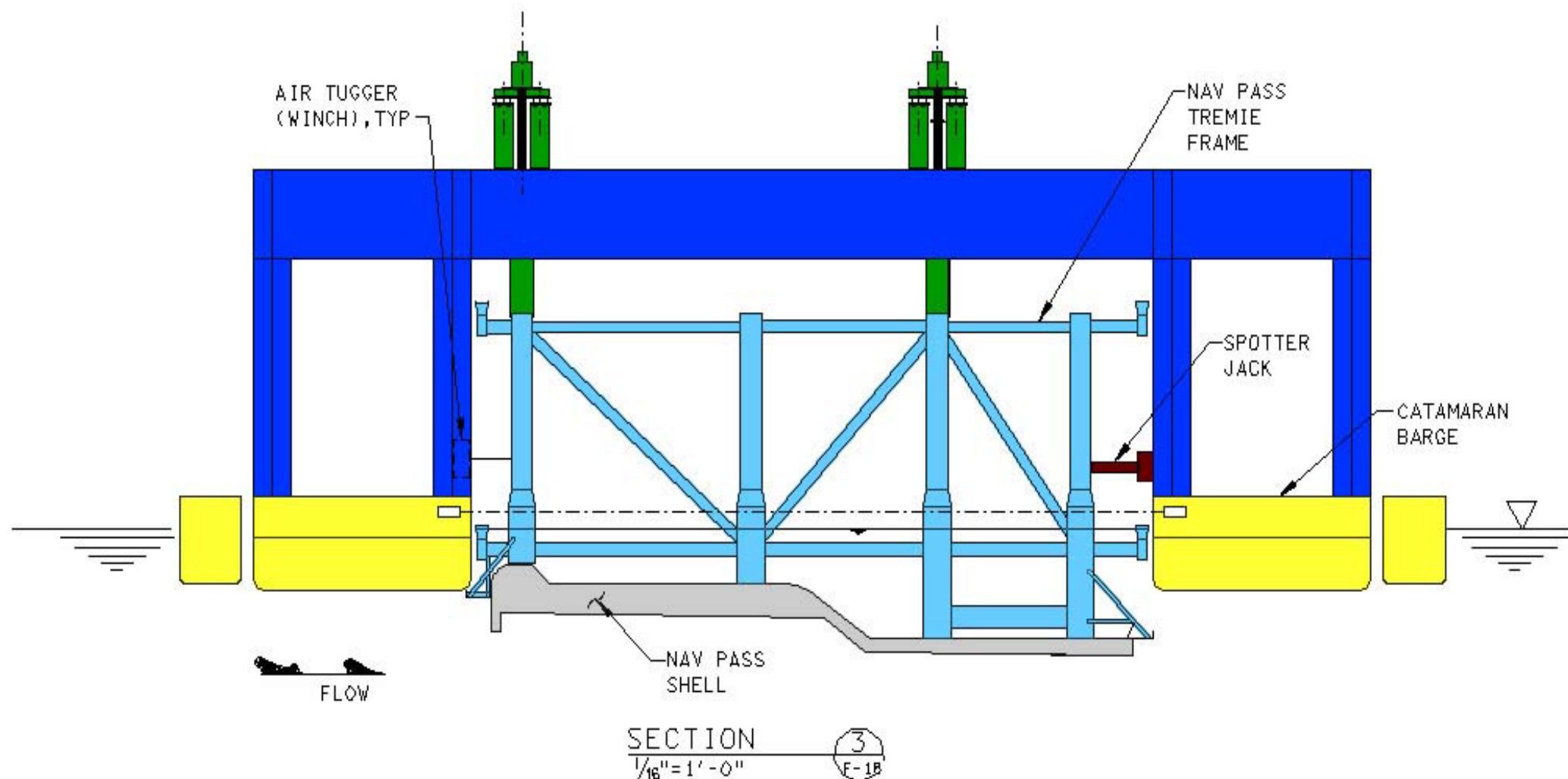
Transfer of Precast Segments From Skid to Catamaran





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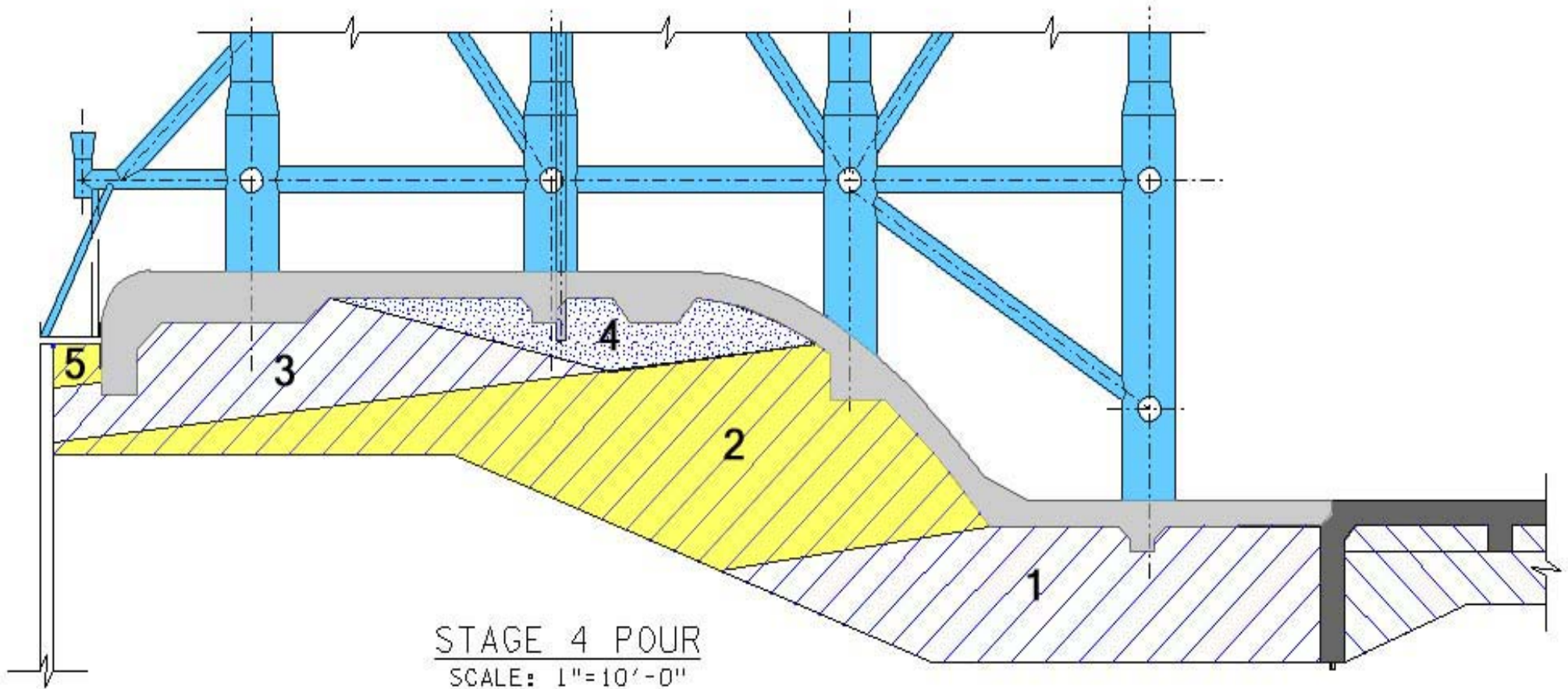
Catamaran and Lifting Frame For Precast Segments





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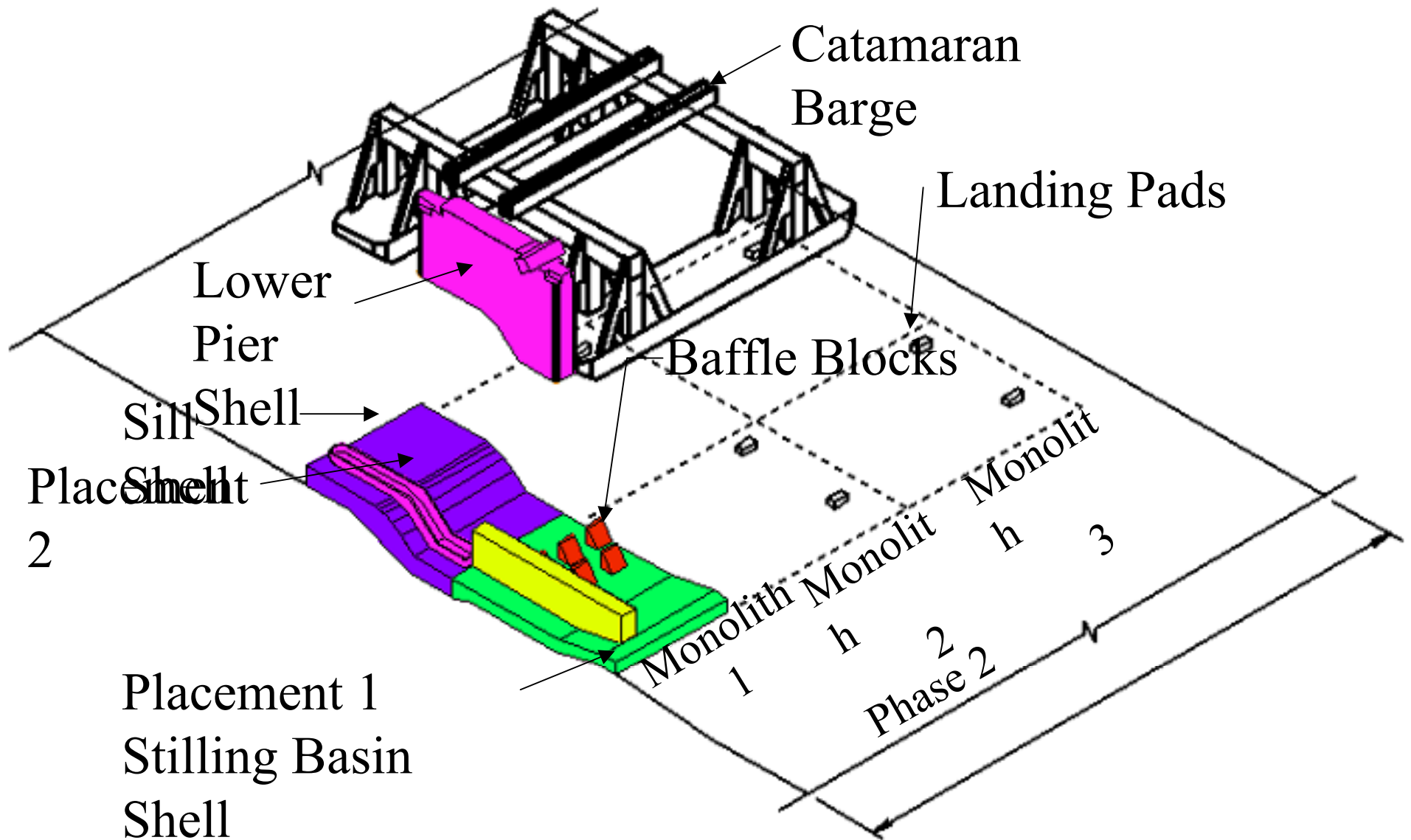
Tremie Concrete Placements in Precast Sill Segment





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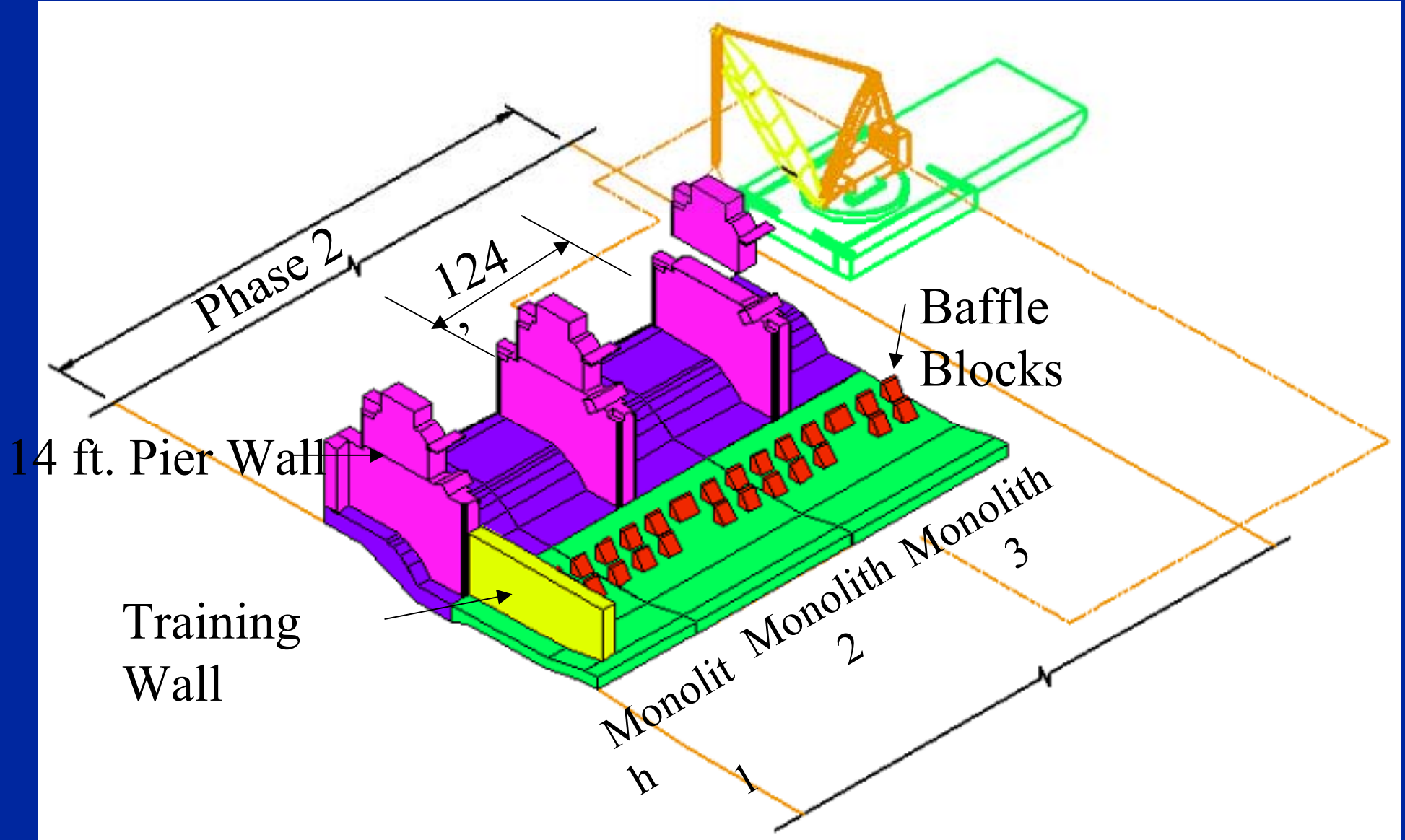
Catamaran with Lower Pier Shell





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Placement of Upper Pier Shell Elements

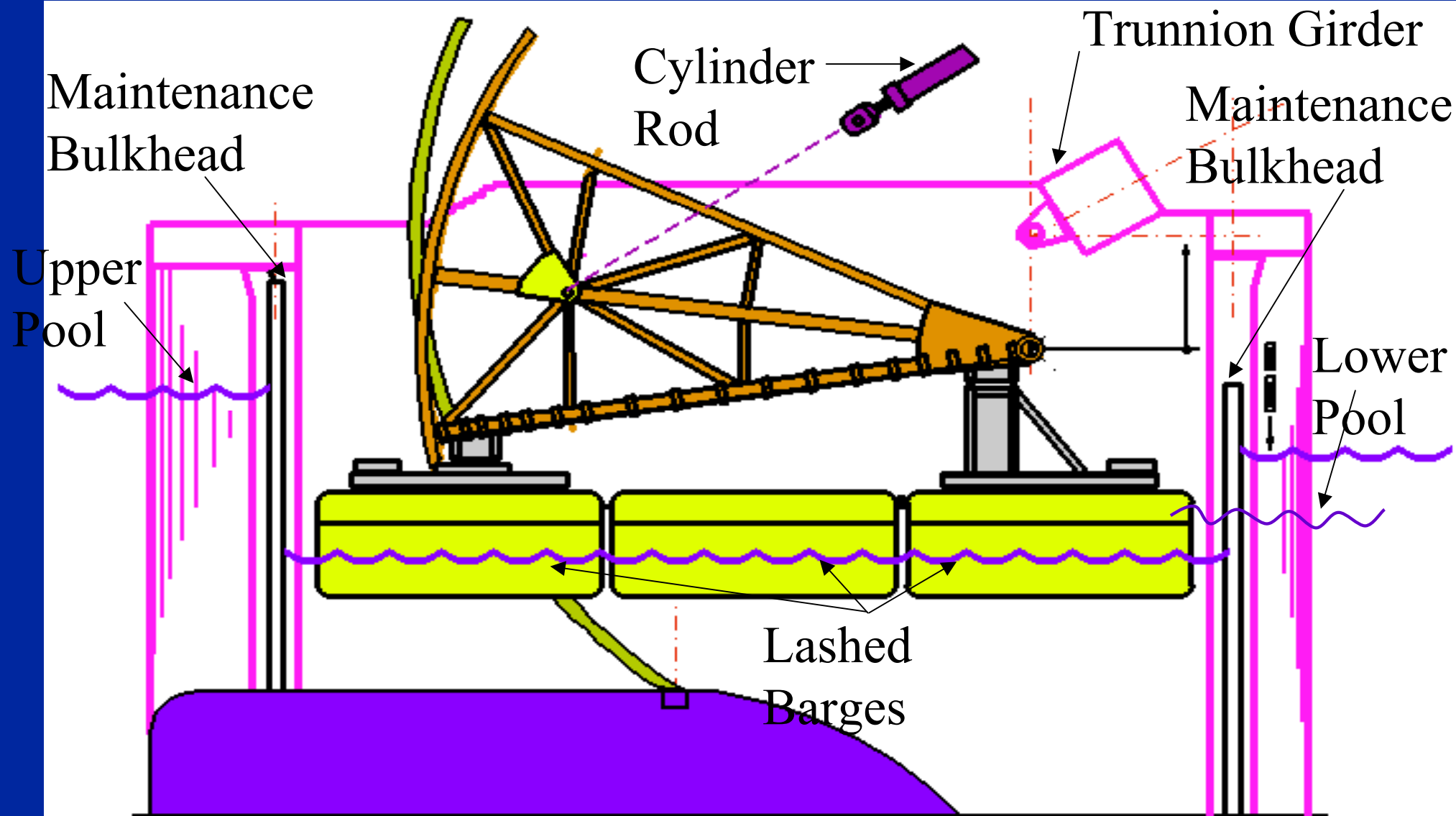




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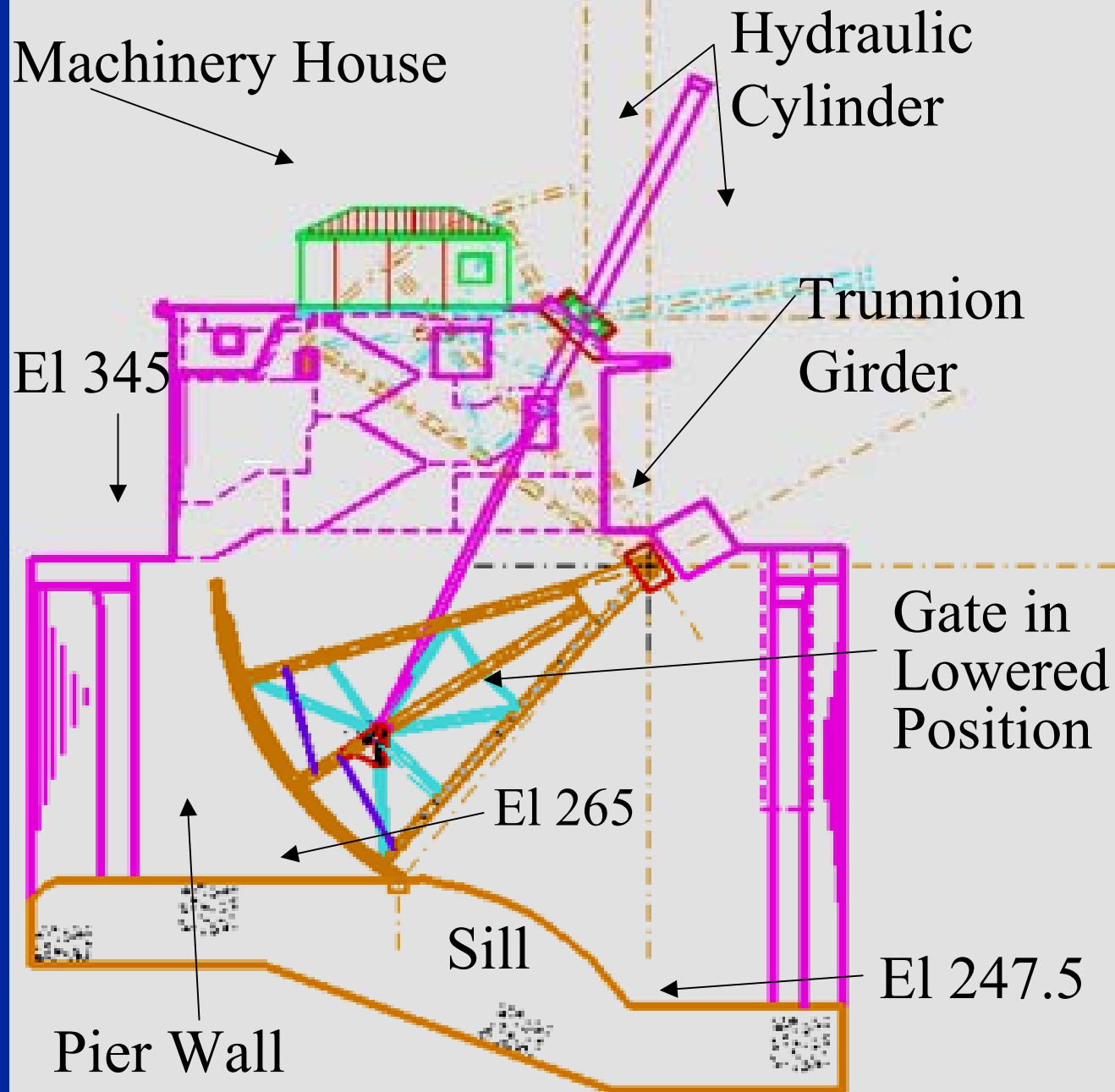
Tainter Gate Installation



Tainter Gate



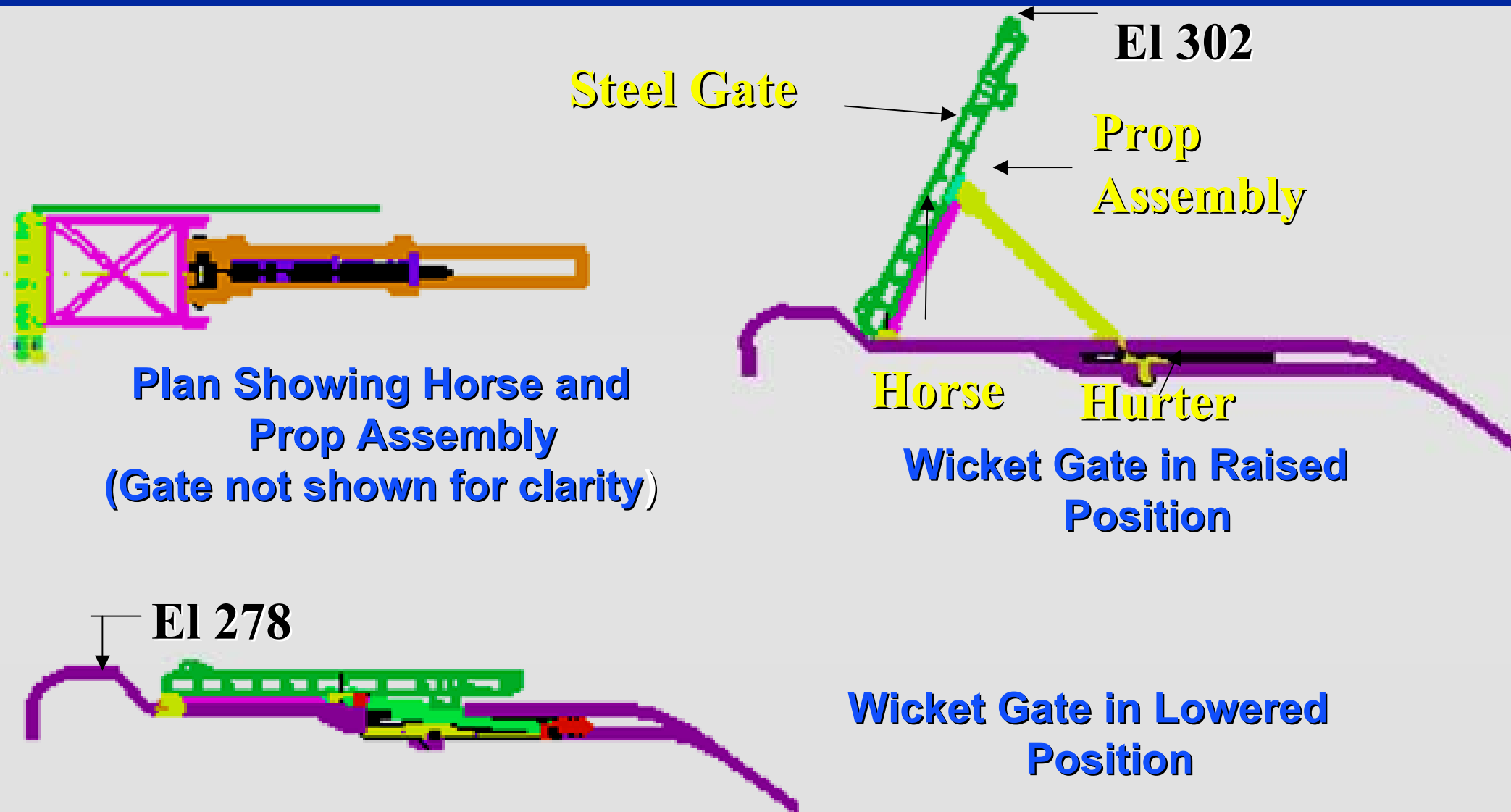
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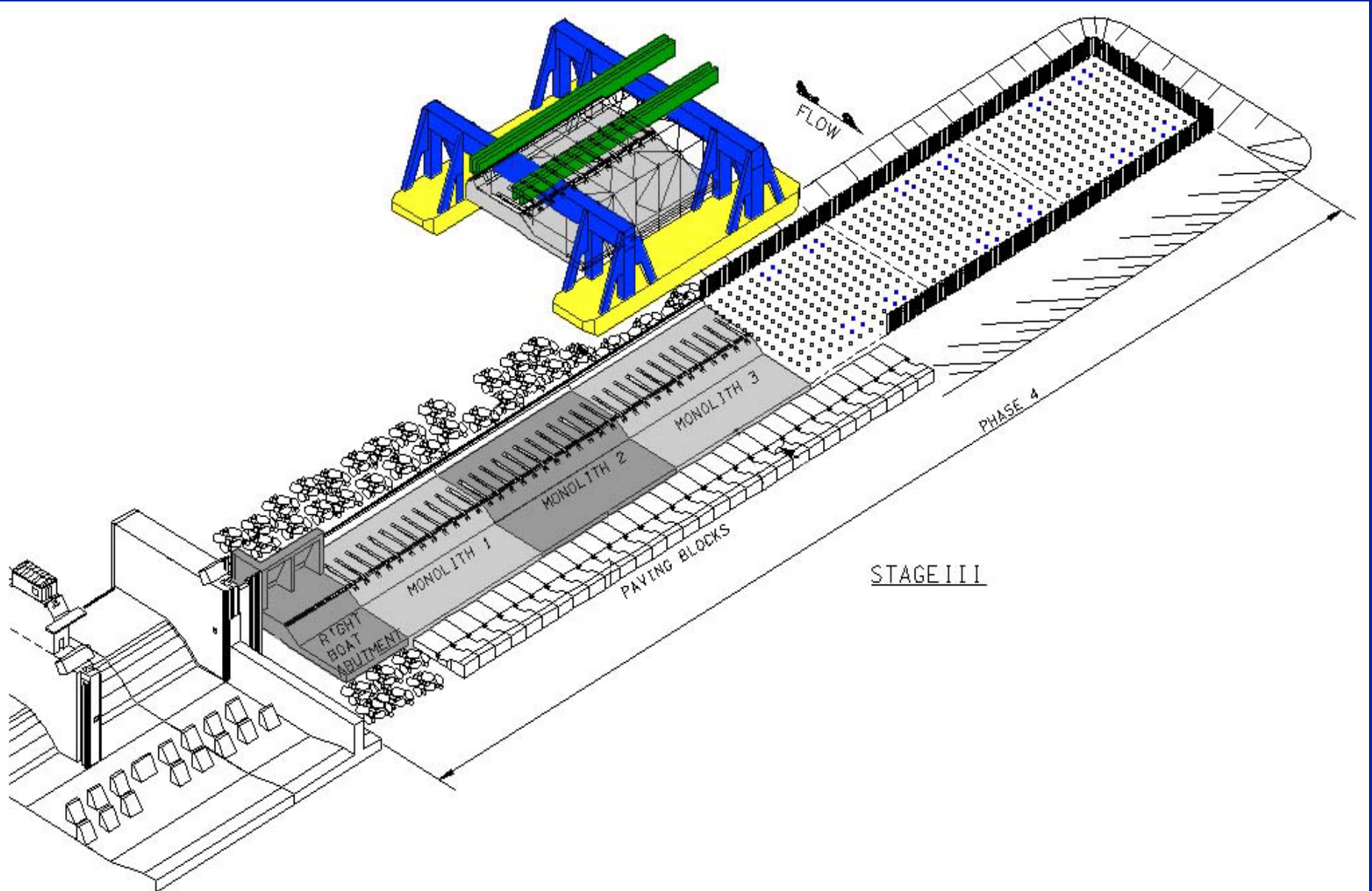
Wicket Assembly





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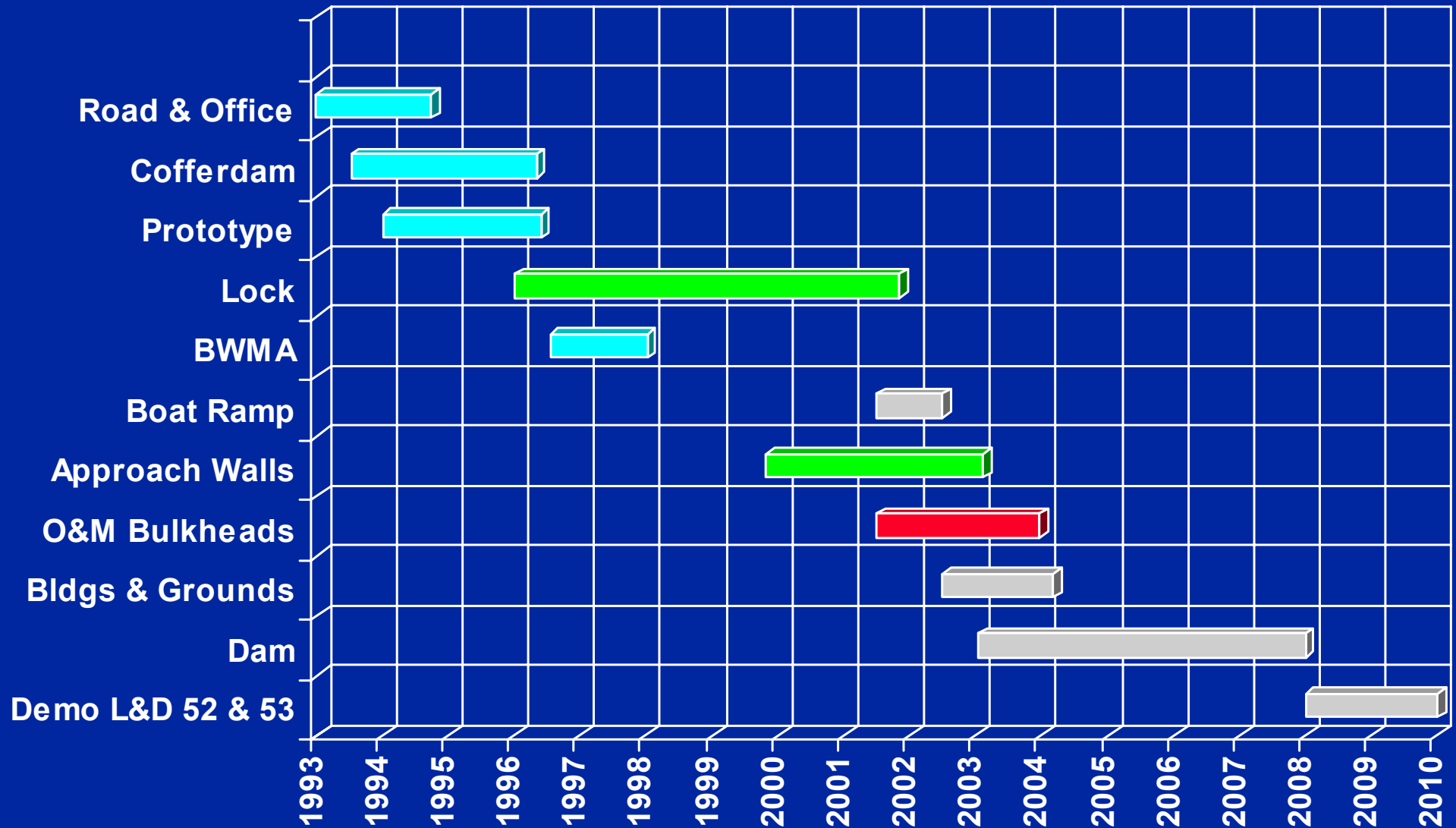
Navigable Pass/Wicket Segments





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Construction Schedule





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Project Cost



\$1,080,000,000

50% Federal

50% Inland Waterways Trust Fund



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Project Funding



Prior to 1995

\$122,026,000

1996

\$49,678,000

1997

\$70,080,000

1998

\$76,176,000

1999

\$51,060,000

2000

\$87,162,000

2001

\$57,772,000

2002

\$56,309,000



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FY03 Funding



President's Budget	\$77M
House Markup	\$65M
Senate Markup	\$68M
Savings & Slippage (15%)	-\$10M
Pay back	-\$12M
Available to expend	\$43M
Capability	\$54M



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Questions ?

